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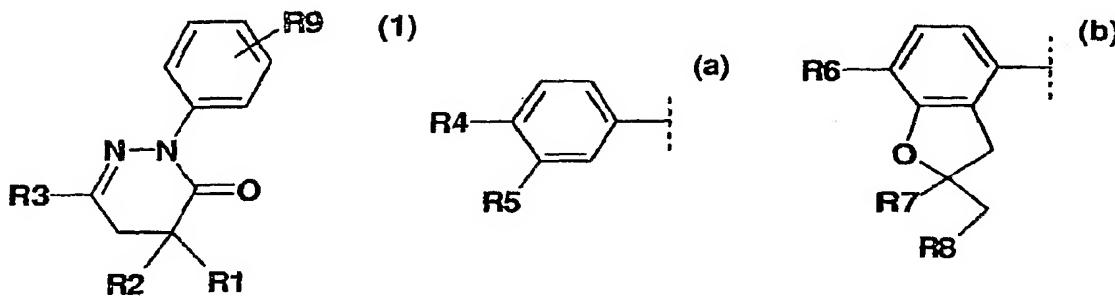
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(54) Title: PYRIDAZINONE DERIVATIVES AND THEIR USE AS PDE4 INHIBITORS



(57) **Abstract:** Compounds of formula (1) are effective PDE4 inhibitors in which R1 is 1-4C-alkyl and R2 is 1-4C-alkyl, R3 represents a phenyl derivative of formulae (a) or (b) wherein R4 is 1-4C-alkoxy or 1-4C-alkoxy which is completely or predominantly substituted by fluorine, R5 is 1-8C-alkoxy, 3-7C-cycloalkoxy, 3-7C-cycloalkylmethoxy, or 1-4C-alkoxy which is completely or predominantly substituted by fluorine, R6 is 1-4C-alkoxy, 3-5C-cycloalkoxy, 3-5C-cycloalkylmethoxy, or 1-4C-alkoxy which is completely or predominantly substituted by fluorine, R7 is 1-4C-alkyl and R8 is hydrogen or 1-4C-alkyl, or wherein R7 and R8 together and with inclusion of the two carbon atoms, to which they are bonded, form a spiro-linked 5-, 6- or 7-membered hydrocarbon ring, optionally interrupted by an oxygen or sulphur atom and R9 is hydroxyl, halogen, nitro, cyano, 1-4C-alkyl, trifluoromethyl, 1-4C-alkoxy, 1-4C-alkoxy which is completely or predominantly substituted by fluorine, hydroxycarbonyl, hydroxycarbonyl-1-4C-alkyl, 1-4C-alkoxycarbonyl, 1-4C-alkylcarbonyl, 1-4C-alkylcarbonylamino, 1-4C-alkylcarbonyloxy, 1-4C-alkylsulfonyl, benzyloxy, -C(O)R10, -S(O)₂-R11, -O(CH₂)_n-C(O)-R12, -(CH₂), -C(O)-R26 or -N(R29)R30.



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